

## METHOD MEASURING LEVEL OF LIQUID MEDIA AND DEVICE FOR ITS REALIZATION

**Patent number:** RU2117261  
**Publication date:** 1998-08-10  
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**Applicant:** MUNITSIPAL NOE PREDPRIJATIE VO  
**Classification:**  
**- international:** G01F23/296  
**- european:**  
**Application number:** RU19960124430 19961226  
**Priority number(s):** RU19960124430 19961226

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### Abstract of RU2117261

**FIELD:** measurement technology, systems of automatic control and regulation of parameters of technological processes. **SUBSTANCE:** method consists in formation of first and second probing pulses along two specified directions. Information on value of tested medium is formed in the form of two sequences of acoustic signals. Device for realization of method has three ultrasonic converters and signal processing circuit, determining value of level. First ultrasonic converter is positioned on horizontal section of measurement tube. Second and third converters are installed on walls of second measurement tube. Instability of rate of propagation of probing pulses does not influence value of level of medium. **EFFECT:** increased authenticity of measurement results. 2 cl, 2 dwgc

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TITLE: Method measuring level of liquid media and  
device for  
its realization

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PATENT-ASSIGNEE: VODOKANAL ENTERP[VODOR]

PRIORITY-DATA: 1996RU-0124430 (December 26, 1996)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE
PAGES MAIN-IPC		
RU 2117261 C1	August 10, 1998	N/A
000 G01F 023/296		

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO
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RU 2117261C1	N/A	1996RU-0124430
December 26, 1996		

INT-CL (IPC): G01F023/296

ABSTRACTED-PUB-NO: RU 2117261C

BASIC-ABSTRACT:

NOVELTY - Method consists in formation of first and second probing pulses along two specified directions. Information on value of tested medium is formed in the form of two sequences of acoustic signals. Device for realization of method has three ultrasonic converters and signal processing circuit determining value of level. First ultrasonic converter is positioned on horizontal section of measurement tube. Second and third converters are installed on walls of second measurement tube. Instability of rate of propagation of probing pulses does not influence value of level of

medium.

USE - Measurement technology, systems of automatic control and regulation of parameters of technological processes.

ADVANTAGE - Increased authenticity of measurement results. 2 cl, 2 dwgc

CHOSEN-DRAWING: Dwg.1/1

TITLE-TERMS: METHOD MEASURE LEVEL LIQUID MEDIUM DEVICE

DERWENT-CLASS: S02

EPI-CODES: S02-C06D3;

SECONDARY-ACC-NO:

Non-CPI Secondary Accession Numbers: N2000-047426

